

ABSTRACT OF THE DISCLOSURE

A predistortion circuit has
an input terminal for inputting a predetermined signal;
a nonlinear device directly or indirectly connected to
the input terminal;

a bias supply circuit for applying a voltage to the
nonlinear device;

specific-frequency suppressing means connected to one
side or both sides of the nonlinear device directly without another
intervening device and of suppressing all or part of such
frequencies that are from a frequency corresponding to DC to a
frequency corresponding to an occupied band width of an input
signal inputted to the input terminal and/or suppressing at least
one higher harmonic frequency of a carrier wave of the input
signal; and

an output terminal for outputting a signal.